Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/28/2020 09:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124739	-1	3.24	124782	3.23
Blue	F	SSC	125000	123673	-2	1.65	124468	1.67
Blue	E	FITC	15892	15444	-3	2.89	337	21.18
Blue	D	PE	29999	29262	-3	2.02	637	15.16
Blue	B	PerCP-Cy5-5	43732	43593	-1	3.84	1168	21.23
Blue	A	PE-Cy7	30845	31336	1	6.46	599	43.81
Red	C	APC	46112	45136	-3	2.45	1595	12.22
Red	A	APC-Cy7	30458	29573	-3	2.36	778	12.30
Violet	B	V450	7918	7583	-5	3.94	429	12.94
Violet	A	V500	32171	31781	-2	3.74	744	10.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16997	18.49	653	32	N/A	N/A	Pass
Blue	F	SSC	56544	1.23	583	24	N/A	N/A	Pass
Blue	E	FITC	62	64.02	553	10	0.0170	76	Pass
Blue	D	PE	133	50.47	559	11	0.1481	244	Pass
Blue	B	PerCP-Cy5-5	215	51.70	668	12	0.0083	50	Pass
Blue	A	PE-Cy7	107	111.19	715	17	0.0094	18	Pass
Red	C	APC	379	26.16	591	7	0.0244	216	Pass
Red	A	APC-Cy7	172	29.25	563	7	0.0052	854	Pass
Violet	B	V450	64	57.91	462	4	0.0475	1661	Pass
Violet	A	V500	112	30.72	479	5	0.0220	375	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.98	-32.56	1.01
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.09	13.60 - 20.40	N/A	N/A	29.78	30.27	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10120

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments